PATENT ABSTRACTS OF JAPAN

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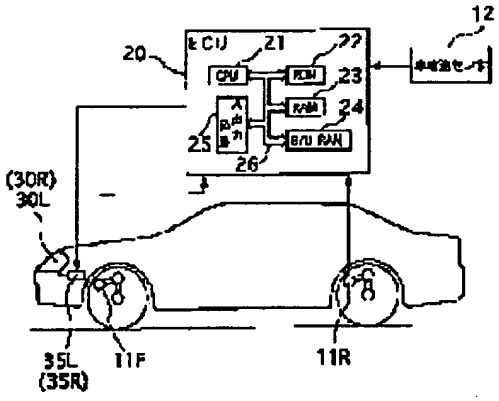
(54) AUTOMATIC ADJUSTER FOR VEHICULAR HEADLIGHT OPTIC AXIAL DIRECTION

(57)Abstract:
PROBLEM TO BE SOLVED: To get rid of any inaccurate optic axial direction control of a headlight according to a vehicle traveling state.
SOLUTION: A pitch angle in the longitudinal direction of a car is calculated on the basis of each signal out of two height sensors 11F and 11R installed both front and rear wheels of the car. In addition, a vehicle traveling state is in any of control modes among stoppage, acceleration, deceleration and constant speed, and whether it is the initial state or not is judged from car speed and acceleration based on it. The pitch angle is filtered in response to this control mode and an actuator desired value (target optic axial direction adjusting angle), ungiving any dazzling light to the opposite car, is calculated, therefore both actuators 30L and 30R are driven and each optic axial direction of headlights 30L and 30R is adjusted. Thus, since proper filter processing takes place for the pitch angle, any optic axial direction control of the unnecessary headlight due to road surface irregularities is preventable.



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